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Patent
Docket No: 56469USA6A.002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor Application of:

Zhou-Ming Qiu

Serial No.: 09/803,708

Filed: March 9, 2001

For: WATER- AND OIL-REPELLENCY IMPARTING ESTER OLIGOMERS
COMPRISING PERFLUOROALKYL MOIETIES

Group Art Unit: unknown

Examiner: unknown

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on:

MAY 18 2001

Hyllis H. Froelke

Date

Signature Hyllis H. Froelke

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 C.F.R. 1.97 and 1.98, enclosed please find a completed form PTO-1449 citing references submitted for consideration during examination of the above-referenced patent application. A copy of each of the references cited therein is also enclosed.

It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 in order to indicate that each of the references listed thereon has been considered in connection with the present application.

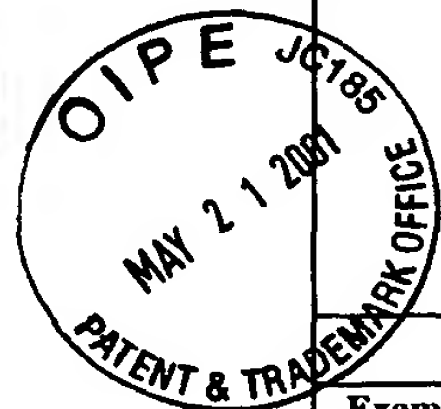
Registration Number 33,931	Telephone Number 651-733-3597
Date 5/17/01	

Respectfully submitted,

By

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OMB No. 0651-0011

**INFORMATION
DISCLOSURE
STATEMENT****Atty. Docket No.:**

56469USA6A.002

Serial No.:

09/803,708

Applicant(s):

Zai-Ming Qiu

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Group:

unknown

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
	2,803,615	08/20/57	Ahlbrecht et al.			
	3,068,187	12/11/62	Bolstad et al.			
	3,094,547	06/18/63	Heine			
	3,102,103	08/27/63	Ahlbrecht et al.			
	3,341,497	09/12/67	Sherman et al.			
	3,478,116	11/11/69	Smeltz			
	3,574,791	04/13/71	Sherman et al.			
	3,787,351	01/22/74	Olson			
	3,916,053	10/28/75	Sherman et al.			
	3,987,182	10/19/76	Gold			
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	4,160,777	07/10/79	Loudas			
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	5,414,102	05/09/95	Pohmer et al.			

EXAMINER**Date Considered**

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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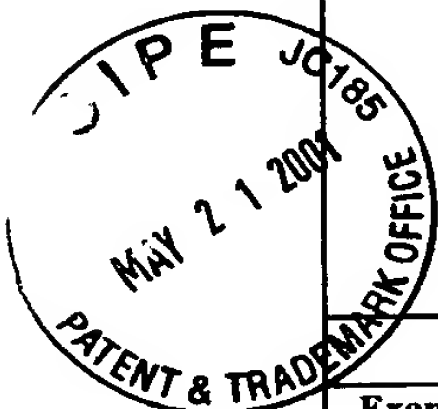
Patent and Trademark Office, U.S. Department of Commerce



OMB No. 0651-0011

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.:		Serial No.:		
	56469USA6A.002		09/803,708		
	Applicant(s): Zai-Ming Qiu				
	Filing Date: March 9, 2001		Group: unknown		
DO NOT PUBLISH RELATED U.S. APPLICATIONS ***DO NOT PUBLISH***					
Examiner Initial		Document Number	Filing Date	Name	Title of Application
		U.S.S.N. 09/592,105	06/12/00	Jariwala et al.	"WATER- AND OIL- REPELLENT COMPOSITION", pp. 1-91
		U.S.S.N. 09/803,702	03/09/01	Qiu	WATER-AND OIL- REPELLENCY IMPARTING URETHANE OLIGOMERS COMPRISING PERFLUOROALKYL MOIETIES, pp. 1-87
EXAMINER				Date Considered	
<small>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>					

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**INFORMATION
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Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
	5,424,474	06/13/95	Pohmer et al.			
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	5,725,789	03/10/98	Huber et al.			
	6,037,429	03/14/00	Linert et al.			

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						Yes	No
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	DE 3611302 A1	10/08/87	Germany			X *	

* English Abstract Attached

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

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		Roger W. Phillips ¹ and Robert H. Dettre ² , APPLICATION OF ESCA AND CONTACT ANGLE MEASUREMENTS TO STUDIES OF SURFACE ACTIVITY IN A FLUOROPOLYMER MIXTURE, Journal of Colloid and Interface Science, Vol. 56, No. 2, August (1976)
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		E. T. McBee, W. F. Marzluff and O. R. Pierce, THE IONIZATION CONSTANTS OF SOME FLUORINE-CONTAINING ALCOHOLS ^{1,2} , Journal of American Chemistry Society, Vol. 74, pp. 444-446, (1952)
		J. L. Zollinger, J. R. Throckmorton, S. T. Ting, and R. A. Mitsch, PREPARATION AND CURING OF POLY (PERFLUOROALKYLENE OXIDES), J. Macromol. Sci.-Chem., A3(7), pp. 1443-1464, November (1969)
		TECHNICAL MANUAL & YEARBOOK OF THE AMERICAN ASSOCIATION OF TEXTILE CHEMISTS & COLORISTS (AATCC), AATCC Test Method 22, pp. 70-71, (1985)
		Van A. Wente, SUPERFINE THERMOPLASTIC FIBERS, Industrial and Engineering Chemistry, Vol. 48, No. 8, pp. 1342-1346, August (1956)

EXAMINER**Date Considered**

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